

Docket No.: 31229-232367  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Maher KALAJI et al.  
Confirmation No.: Not Yet Assigned

Art Unit: Not Yet Assigned

Application No.: ~~Not Yet Assigned~~ 10/582,557

Filed: June 9, 2006

For: NITROREDUCTASE BIOSENSORS FOR  
DETECTING NITRO-COMPOUNDS

International Application No.:  
PCT/GB2004/004817

International Filing Date:  
November 17, 2004

Examiner: ~~Not Yet Assigned~~ /Bach Dinh/

Customer No.  
26694  
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

References BA and CA-CG are cited and discussed in the International Search Report submitted herewith.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.D./

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In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 22-0261, under Order No. 31229-232367. A fee transmittal is also enclosed.

Dated: June 9, 2006

Respectfully submitted,

By   
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PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)			Application Number	<del>Not Yet Assigned</del> 10/582,557
			Filing Date	<del>Concurrently Herewith</del> 06/09/2006
			First Named Inventor	Maher KALAJI
			Art Unit	<del>Not Yet Assigned</del> 1795
			Examiner Name	<del>Not Yet Assigned</del> /Bach Dinh/
			Attorney Docket Number	31229-232367
Sheet	1	of	1	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	BA	GB 2 332 432-A	06-23-1999	SECR DEFENCE	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	CA	<del>GWENIN et al., "The development of a novel Amperometric biosensor for the detection of nitro explosives." ABSTRACTS OF THE ANNUAL MEETING OF THE INTERNATIONAL SOCIETY OF BIOCHEMISTRY, vol. 55, page 1 September 19, 2004.</del>		
	CB	<del>C. GWENIN, "Poster 50: The Development of an Amperometric Enzyme Sensor for the Detection of Explosives."</del>		
		<del>POSTERS OF THE 2003 YOUNGER EUROPEAN CHEMISTS' CONFERENCE, pp. 1-19, August 26, 2003.</del>		
	CC	<del>E. WHARTON, "The third Younger European Chemists' Conference 26 to 29 August 2003 at the European Synchrotron Radiation Facility (ESRF), Grenoble, France" page 1 (2003).</del>		
	CD	<del>DATABASE Geneseq Online! Accession no. AAQ9289,1 "E. coli nitro reductase gene," February 26, 1998.</del>		
	CE	<del>DATABASE EMBL Online! Accession No. AF417209, "Pseudomonas putida KT2440 flavoprotein (ecd) gene, complete cds," October 2, 2001.</del>		
	CF	<del>DATABASE EMBL Online! Accession No. AF532911, "Pseudomonas putida oxygen-insensitive NADPH nitroreductase (pnra) gene, complete cds," August 21, 2002.</del>		
	CG	<del>X-REN et al. "A new type of reusable piezoelectrochemical sensor fabricated by a recombinant IgG-binding protein", ANALYST, vol. 125, pp. 669-671., February 24, 2000.</del>		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

#758162

Examiner Signature	/Bach Dinh/	Date Considered	05/20/2010
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